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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/540,611	03/31/2000	Carl M. Ellison	042390.P8112	2172
8791	7590 03/08/2005		EXAMINER	
22	SOKOLOFF TAYLOR &	TRAN, ELLEN C		
12400 WILS SEVENTH F	HIRE BOULEVARD LOOR		ART UNIT	. PAPER NUMBER
LOS ANGEI	LES, CA 90025-1030		2134	
	·		DATE MAILED: 03/08/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/540,611	ELLISON ET AL.				
Office Action Summary	Examiner	Art Unit				
	Ellen C Tran	2134				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period was Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 26 No.	ovember 2004.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
 4) Claim(s) 61-90 is/are pending in the application 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 61-90 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or 	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examine 11).	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). iected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 1/18/05.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:					

Application/Control Number: 09/540,611 Page 2

Art Unit: 2134

DETAILED ACTION

1. This action is responsive to communication: 26 November 2004, with an original filing date of 31 March 2000.

- 2. Claims 1-60 have been canceled by amendment. Claims 61-90 have been added.
- 3. Claims 61-90 are currently pending in this application. Claims 61, 71, and 81 are independent claims.

Response to Arguments

4. Applicant's arguments with respect to anticipated rejection have been considered but are not persuasive.

With respect to applicant's first argument on page 12, "Carloganu says nothing about determining whether a command involves access to memory". The Office disagrees this argument does not carry much weight. A memory in inherent in a processor, resource, or module which Carloganu controls the access to.

With respect to applicant's second argument on page 12, "Carloganu also says nothing about disallowing transactions, based on the type of memory area to be accessed and the current setting of the processor". The Office disagrees see '749 col. 2, lines 35-67. In this passage Carloganu explains the procedures for operating a set of control resources under the control a secure processor. Also in the passage Carloganu states: "command primitive associated with the command code in each of the secured commands is then executed if and only if" this passage has the same meaning as disallowing transactions.

With respect to applicant's argument on page 12, that Carloganu does not teach "allows access to the isolated memory area when the processor is set to operate in the isolated execution

Art Unit: 2134

mode and prevents access to the isolated memory are when the process is not set to operate in the isolated execution mode". The Office disagrees see '749 col. 2, lines 13-31. Which explain how access to secure resources is only allowed when using predefined commands. In addition see '749 col. 10, lines 12-26 "The security model can also process regular (or free) commands when a secured command turns off the security of the system to allow free access to secured resources".

With respect to applicant's argument on page 12, that Carlogaunu does not teach "that the processor (a) creates an isolated memory area in the memory of the processing system, based at least in part on configuration parameters for the isolated memory area, and (b) determines whether the transaction request access to the isolated memory area, based at least in part on (i) access information for the transaction and (ii) one or more of the configuration parameters for the isolated area". The Office disagrees Carloganu teaches these limitation see col. 3, line 30 through col. 4, line 15. This passage explains how secure resources (i.e. same as secure memory) are defined (i.e. same as creates).

With respect to applicant's argument on page 12, that Carloganu does not teach "(a) the processor comprises a processor control register to store an isolated execution mode setting, and (b) the processor determines whether the processor is set to operate in the isolated execution mode, based at least in part on the isolated execution mode setting from the processor control register". The Office disagrees this is shown in '749 col. 8, lines 34-67 in which the format and Seq ID (i.e. same meaning as "mode setting" and "register") are explained.

Application/Control Number: 09/540,611 Page 4

Art Unit: 2134

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language
- 6. Claims 61-90 are rejected under 35 U.S.C. 102(e) as being anticipated by Carloganu et al. U.S. Patent No. 6,226,749 (hereinafter '749).

As to independent claim 61, "A method comprising: detecting a transaction that requests access to a memory of a processing system" is taught in '749 col. 4, lines 44-63;

"wherein the processing system comprises a processor that can be set to operate in a normal execution mode and, alternatively, to operate in an isolated execution mode" is shown in '749 col. 3, lines 30-59;

"and disallowing the transaction if the transaction requests access to an isolated memory area of the processing system and the processor is not set to operate in the isolated execution mode" is disclosed in '749 col. 1, lines 36-67 and col. 10, lines 12-26.

As to dependent claim 62, "wherein: the operation of disallowing the transaction comprises preventing access to the isolated memory area when the processor is not set to operate in the isolated execution mode; and the method further comprises allowing access to the isolated memory area when the processor is set to operate in the isolated execution mode" is taught in '749 col. 10, lines 12-26.

As to dependent claim 63, "further comprising: creating the isolated memory area in the memory of the processing system, based at least in part on configuration parameters for defining the isolated memory area" is shown in '749 col. 3, line 30 through col. 4, line 13.

As to dependent claim 64, "further comprising: creating the isolated memory area in the memory of the processing system, based at least in part on configuration parameters for the isolated memory area; and determining whether the transaction requests access to the isolated memory area, based at least in part on access information for the transaction and one or more of the configuration parameters for the isolated memory area" is disclosed in '749 col. 4, lines 44-63.

As to dependent claim 65, "comprising: determining whether the processor is set to operate in the isolated execution mode, based at least in part on an isolated execution mode setting for the processor" is taught in '749 col. 5, lines 1-30.

As to dependent claim 66, "wherein: the processor comprises a processor control register to store an isolated execution mode setting; and the method comprises determining whether the processor is set to operate in the isolated execution mode, based at least in part on the isolated execution mode setting from the processor control register" is shown in '749 col. 8, lines 34-67.

As to dependent claim 67, "further comprising: allowing the transaction to succeed if the processor is set to operate in the isolated execution mode" is disclosed in '749 col. 9, lines 20-39.

As to dependent claim 68, "further comprising: if the processor is set to operate in the isolated execution mode, asserting a signal from the processor to grant access for the transaction" is taught in is shown in '749 col. 9, lines 20-39.

As to dependent claim 69, "wherein: the transaction that requests access to the memory of the processing system comprises an access transaction generated during execution of an instruction in the processor" is disclosed in '749 col. 7, lines 33-42.

As to dependent claim 70. A method according to claim 61, wherein: the transaction that requests access to the memory of the processing system comprises an access transaction involving one or more resources selected from the group consisting of: a front side bus (FSB); and a translation lookaside buffer (TLB)" is taught in '749 col. 4, lines 44-67 and col. 9, lines 57-67.

As to independent claim 71, this claim is direct to an apparatus of the method of claim 61; therefore it is rejected along similar rationale.

As to dependent claims 72-80, these claims contain substantially similar subject matter as claim 62-70; therefore they are rejected along similar rationale.

As to independent claim 81, this claim is direct to the processing system of the method of claim 61; therefore it is rejected along similar rationale.

As to dependent claims 82-90, these claims contain substantially similar subject matter as claim 62-70; therefore they are rejected along similar rationale.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a). A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ellen C Tran whose telephone number is (571) 272-3842. The examiner can normally be reached from 6:30 am to 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory A Morse can be reached on (571) 272-3838. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

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Application/Control Number: 09/540,611

Art Unit: 2134

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Ellen. Tran
Patent Examiner
Technology Center 2134
26 February 2005

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Page 8